



Fire Protection Training

Procedures Handbook 4300

LADDERS

TOPIC: How to Pick Up and Carry a Ladder, Low Shoulder Method, Two Person

TIME FRAME: 1:00

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: A student in appropriate structure fire PPE's per CAL FIRE policy, one single ladder at least 16' in length or a 24' to 35' extension ladder laying flat on a level surface

Behavior: The students will pick up and carry a ladder using the two person low shoulder method for a minimum of 50 feet around two obstacles under simulated fire conditions.

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- 24' to 35' extension ladder or single ladder at least 16' in length
- Full protective clothing
- Smooth level surface

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 5

PREPARATION: One of the most basic skills a firefighter must possess is the ability to safely lift and carry 16 - 35 foot ladders. These ladders are long, heavy, and awkward. They present safety hazards to the firefighters moving them and to all other firefighters working on the fireground. Only by using proper lifting and moving techniques can the number of injuries attributable to ladder evolutions be reduced.



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PRESENTATION

OPERATIONS	KEY POINTS
1. Ladder position	1a. Flat on ground b. Fly up
2. Position two firefighters	2a. One at 2nd or 3rd rung from butt b. One at 2nd or 3rd rung from tip c. Same side of ladder d. Facing tip e. Kneeling f. Outside foot forward
3. Grasp ladder	3a. Both students b. Nearest beam c. With hand nearest ladder
4. Rotate ladder	4a. On command from student at butt b. Keeping back straight c. Up onto beam away from students
5. Reposition fire fighters	5a. Leaving hand on top of beam b. Next to ladder c. Same side d. Between 2nd and 3rd rungs from each end e. Facing tip f. Kneeling g. Outside foot forward
6. Lift ladder	6a. On command from student at butt b. Both students stand simultaneously c. Keeping back straight and using legs to lift d. Pivot 180° to face butt e. Turning inward towards ladder

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PRESENTATION

OPERATIONS	KEY POINTS
7. Support ladder	7a. With free hand b. Through rungs c. Over halyard d. Grasping lower beam e. Palm up f. Thumb forward, top beam resting on shoulder
8. Carry ladder	8a. Announce "Ladder coming through", "Ladder coming around" as needed b. Walk forward c. Around obstacles
9. Stop ladder advance	9a. On command from student at butt
10. Grasp ladder	10a. On command from student at butt b. Top beam c. With free hand d. Finger wrapped around outside edge of top beam
11. Support ladder	11a. On command from student at butt b. Release grip on lower beam c. Pivot 180° to face tip d. Turning inwards toward ladder e. Withdraw hand from lower beam
12. Lower ladder	12a. On command from student at butt b. Lower bottom beam to ground c. Keeping back straight d. Bending at knees

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PRESENTATION

OPERATIONS	KEY POINTS
13. Bed ladder on ground	<ul style="list-style-type: none">13a. On command from student at butt<ul style="list-style-type: none">b. Both students step away from ladderc. Rotate top beam to the groundd. Slowly bending knees, keeping back straighte. Without dropping ladder

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APPLICATION:

Have students practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).